

I claim:

1. A display device that shows picture frames containing an array of picture elements each comprising a light emitting diode connected to a photocell, scanned by a laser beam for each picture frame displayed, in the presence of an applied electric field.
2. A display device as claimed in Claim 1 such that the light emitting diodes are arranged in an alternating pattern of red, green, and blue to form a color display.
3. A display device as claimed in Claim 1 such that the light emitting diode is monolithic in construction, coated with an alternating pattern of red, green, and blue phosphors to form a color display.
4. A display device as claimed in Claim 1 such that the laser beam scans each picture element more than once per picture frame displayed.
5. A display device as claimed in Claim 1 whereby an optical barrier is positioned between the light emitting diode and photocell to prevent feedback of light from the light emitting diode to the photocell.
6. A display device as claimed in Claim 1 whereby feedback of light from the light emitting diode to the photocell sustains the light emitting diode output, for each picture frame.
7. A display device as claimed in Claim 1 whereby the electric field is turned off at the end of each picture frame.
8. A display device as claimed in Claim 1 whereby the electric field is grounded at the end of each picture frame.
9. A display device as claimed in Claim 1 whereby a capacitance in the device sustains the light emitting diode output, after the laser beam has stopped scanning each picture element, for each picture frame.